Missouri Botanical Garden
copyright reserved
cm 0 1 2 3 4 5 6 7 8 9 10

Davenport. March 19th 1866

Sulphur on fol. forg. came to hand on 7th Sun. — a fine January day as ever. Mr. E. need not fear forbidding cold!

Rec'd March 21
Ans March 26

My Dear Dr

It was pleasant even for a short moment to see your head emerge from the rushes, if only to say "What are you about" When that phiz of yours comes along I shall expect to see it crowned with Junci more attractive in your eyes than ivy or laurel. Your letter contains less than the usual number of ??i. So I can answer in brief. Have been doing but little the past winter except trying to keep warm. I made one visit lately to I A Lapham in Mil. He has some interesting data in reference to that barometric wave of Jan 7th & 8th took hourly observations during the period of its greatest elevation which correspond remarkably in point of time with the observations at Albany N.Y. Had I been aware of its importance I would also have taken more OK I have only these

Jan 7th	8 AM, Barom	30.072	Th Att	27.	Th Dt 19
" "	2 PM "	30.160	"	27	" 23
" 8th	7 AM "	30.402	"	24	" 8
"	2 PM "	30.346	"	25	" 20

Clear with a raw East wind.!

What were your observations?

Missouri Botanical Garden
copyright reserved
0 1 2 3 4 5 6 7 8 9 10 cm

In what form and when will you publish your paper on Pancus? I do not feel deserving of the commemoration suggested by Prof Caspary, but will furnish items as desired. When will his memoir be out? I hope it will be fully illustrated. Why cannot we get up a colored figure of N. polysepallum as you once proposed. I would contribute towards the expense. and you could no doubt influence Shaw in that direction. — I wish you would hurry & get rich. So that you could quit practice of medicine. There are plenty that can attend to that, but few that can work at botany as you can. — My wishes are still directed Europe ward, but financial obstacles get stand in the way. I am waiting to sell some property — and then must be off — in the mean time I expect to do something in local botany the coming season. I have the promise of a free pass for the year over a new RR from here to Milwaukee which I shall try & improve for botanizing purposes. may stumble on some juci — Dr Gray intimated some time ago that he thought of coming west for a trip. Cant we coax him along this season. he could give Shaw quite a boost in his scheme — Dr Fendler really to go back to Missouri this Spring — A good joke on Dr Gray that. hoped Cannon speech of his but perhaps it would not do to joke him about. though it sounds funny. I will write soon and send that memoir. also some barometric Rs. this much to let you know. What I am about

Sincerely Your C C Parry

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

Rec'd April 2nd
Ans April 10th

Davenport March 30th 1866

My Dear Dr.

Yours of 26th is just received. We are having a second edition of winter with snow & ice in abundance navigation only just open. I am almost ashamed to send you my limited Juicus of but at least I waste them named under your revision I will try & do something in that line this year

Your suggestion in reference to that Pope Expedition stirs up my old roving feelings I dont know but I would like to go under certain conditions. viz to have all travelling expenses paid going and returning & facilities for making and transporting collections for my own benefit & profit, —

Missouri Botanical Garden
copyright reserved

I should prefer to have it only as a summer trip. So that I could return as early as Sept 2 would of course take my barometer make continuous observations & write out a report of the trip I would also stipulate for the privilege of corresponding for some journal as a matter of profit &c &c

If you think the conditions above specified would be agreeable you might confer with the Genl and I will take the matter under consideration and give a definite answer — Of course my object is to get all the information I can over the widest scope of country with a view to future use I would collect only new or specially interesting things. The part I would especially like to visit, is west of the range on the direct line to Salt Lake which is a new and comparatively little explored country

Please let me know in reference to this matter as soon as possible that I may make necessary arrangements should I conclude to go also find out the proposed route, time of starting, and what time is proposed to complete the trip.

For that months hol of yours I would suggest coming this way of course, and then going on to Milwaukee, thence to Green Bay &c &c — If I am here you can count on my company, sure

Do the Bd of St Louis Transactions complete or will it be delayed for your papers?

That Cannot speak of Dr Gray is in Silliman for Jany 1866 as President American Academy of Science

In haste Yours truly

C C Parry

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10 cm
copyright reserved
MISSOURI BOTANICAL GARDEN

Missouri Botanical Garden
copyright reserved
cm 0 1 2 3 4 5 6 7 8 9 10

Rec'd Nov 21
Ans May 9

Davenport April 18th 1866

My Dear Dr

Yours of late date duly rec'd. I had hoped to have heard something more definite in reference to that Pope Expedition, but time enough yet for developments. When fully informed please let me know the results.

From the Rocky Mt News which I get weekly is a report of RR Survey from Ft Riley Kansas to Denver. By what is called the Smokey hill route concluding with a table of elevations I copy two items in reference to the elevation of Denver City — which shows a discrepancy of 500 to 600 ft below our barometric determinations!

"Denver city distant from Ft Riley 466.61 miles is 3757. ft higher than that point; is 4108. ft higher than the Missouri River at Wyandotte (mouth of Kansas). and 4336. ft. higher than the Miss River at St Louis.

"The Platte River is just at 15 ft below the Denver city Station" —

What means have you for checking these results? This Survey was made I judge in a hurried manner between 15th Sept & 11th Nov 1865. Have you access

Missouri Botanical Garden
copyright reserved
cm 0 1 2 3 4 5 6 7 8 9 10

Is any other R R Surveys different from this? How do the elevations given by Wyandotte & Ft Riley agree with what you know of the same points. I should be sorry if our results derived from such reliable data should prove so unreliable.

My specimens of Abies Engel 12 to 15 come out very nicely being covered with leaves they will make a fine show this year. How can I best send 2 or 3 specimens to Shaw?

Our backward season is now hurrying along at a rapid rate to day is rainy and vegetation is fairly jumping out of the ground. I am kept pretty close just now by sickness in my family. Else I should feel like going somewhere

Yours truly E E Sarg

Radicalism such as you would admire in Botany. Still rules supreme on our side of the Miss

Missouri Botanical Garden
George Engelmann Papers

Missouri Botanical Garden
copyright reserved
0 1 2 3 4 5 6 7 8 9 10 cm

Rec'd May 22
Ans June 2d

Davenport May 20th 1864

My Dear Dr

It would no doubt require the tactics of an ex-commander of the Army of the Potomac to see the point of the joke played on us by the Supreme Military authority of the Western department. At least it is quite cool if not refreshing this hot weather. to note the nonchalance of the response as if we were asking the favor instead of accepting a rather equivocal position. — We'll perhaps it is worth something to find out that a "lying Sly" does not make a healthful May flower. I at least am well out of the scrape. So good bye to the "hero of No 10"! What next? Why of course since "the Cholera has not reached St Louis. I shall expect that visit, and will here pledge myself in advance to Mrs E. to have no interference from "fashionable Company". You will of course bring your bog-boots along prepared for the marshes — Why not come soon before the sick harvest sets in —?

This week I expect to go and see that captured Southern hero. We'll then get more definite information as to the character of probable ownership. Perhaps the Sunci can spare us! I will write you more fully about it

Missouri Botanical Garden
copyright reserved
0 1 2 3 4 5 6 7 8 9 10
cm

It is hot & dry here now vegetation well advanced.

Sincerely Yours

C. G. Pansy

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

10 Jy 85 '01

(3)

Rec'd June 1st
Ans June 24

Davenport May 31st 1864

My Dear Dr

Since writing you I have been to see the Captured Southern herb which turns out to be in bulk a very indifferent European collection with some odds & ends from other parts of the globe including a very few nice things but badly worn rather. Many of the specimens have the name of "De Candole" on the top of the label, in a very neat hand writing, perhaps his own others bear the name of a German I cant make out. No localities are given except some garden specimens in French "Jardin des Faculté" a few "Vincennes" a very few Mississippi plants very indifferently put up with occasional notes & crude descriptions mostly common plants & garden specimens. The name of the owner does not appear at all!! I infer it may have been some amateur or French physician. Among the Miss specimens is one (enclosed) under a pencil name Jiriko bilobola which I cant find. I have leaves from another source so I suppose it is a garden shrub of which you can furnish the true name. It is singular with that peculiar fleshy texture and parallel veins. The Juncci are half a dozen specimens of common European species. So much for the Captured herb

I was more interested in coming across a self taught botanical artist who had made a number of colored sketches of a number of our common plants including some Southern. I think with a little training in scientific botany would make a very creditable artist., I send a sample. I have given him some Rocky Mt plants to sketch. He is a Dr Hudson a respectable practitioner about 35 years of age is quite zealous, lives in Lyons, If he does well I shall set him to work. I have sent him a copy of St Louis Transactions including our figures he will try his hand at coloring. He would be a nice hand to go out to the Mountains & sketch fresh plants. i.e. Nuttall polygetaphalum &c

I suppose you have heard from Schott he seems uncertain whether he has any Sumei from Yucatan. I presume he will have a good supply of "working specimens" If seen the work you about Cacti. — What about that visit? Shall expect to hear from you soon

Sincerely Yours

C. C. Parry

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

Rec'd June 5
Ans June 24

Davenport June 3d /66

My Dear Sir

Many thanks for the copy of St Louis Transactions, including your admirable Juncus paper. I shall never feel joking you again about your boggish propensities, when you can make such common, vulgar? things evolve such beautiful scientific results, — such a year's "closet labor" puts to shame the work of us field observers who see so much, and accomplish so little. I hope we shall not have to wait long for the sequel of your paper. I shall want some more copies but will write you again about it — I dont seem to get in the way of doing much botanically this season, have on hand some business negotiations, for the sale of property which occupies my time and confines my thoughts from more congenial things. I think of visiting Vasey soon who I do not know personally. hope to do something towards your Juncus sets, — will consult with Vasey about it. You do not say whether you will come up this way soon for a vacation, and when? I sent you a few days ago, a letter containing a sketch from a self taught botanical artist Dr Hudson of Lyons Iowa which I would like to have you criticise, and make suggestions on

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

I have others equally good, with a little botanical training would I think be very creditable work. he seems to aim at accuracy as opposed to mere artistic display. I have recommended to him to make dissections and analyses and study the plates of the Pacific RR reports &c also to be more radical (according to your views). he seems particularly interested in colors, and hence has not done much in drawing from dried specimens

Hope to hear from you soon

Very sincerely Yours

C. C. Parry

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

Rec'd July 12
Ans July 25

Davenport. Iowa July 10th 1866

My Dear Dr

Yours of 22d June has been lying some time unanswered, I have been confined by company and do not get out much beyond the town limits. — My botanizing has been mostly confined to weeding in my small garden patch. My little pines look well. also Yamesia. which grows lustily. and seems to suit the climate It has quite a range in the Alts from 6000 to 5000 ft so that it probably has some adaptive power to suit different conditions. I have also a fine bush of Ribes Cereum, which is worth cultivating for its persistent bright colored fruit I had intended to visit Vasey this Summer and confer with him on Junens collections. on writing to him at Ringwood to ascertain the best route of reaching his place I received letter from his new location. notifying me of his change and also the sad intelligence of the loss of his wife I expect however to visit that section during the season & will see what I can do in the Junens line —

My botanical artist receives your suggestion with good grace realizing their truth. I now learn that he served apprenticeship as Engraver and so has experience in that line of business. he has made some very good sketches of Rocky Mt

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

Plants. which I have revised. big
Calypso borealis very good. Polemonium confertum
also good. Primula Parryi good but not perfectly
colored — Gentiana barbellata. gem plate
colored — & Parryi, and some others. We
have been talking of a trip to the Mts with
a view to making sketches some time.
I have loaned him my copy of Gray's Genera
to get some idea of dissection &c
Saul Pope has just got out to Denver. Sun
27th goes thence to New Mexico — So I learn
from my Rocky Mts newspaper. They are
doing the wond. work of a wagon road across
the range near my old location Empire City
when that is done I shall want to go
again. — Your RR is progressing finely
I do not see why it should not reach Denver
in 3 years at least. I send enclosed
$5,00 as per your bill. also stamps for
postage I suppose you will have your Sunday
paper by itself — of which I should like an
extra copy. I don't hear from Sir Lubbock
What is he doing?

Sincerely yours

C. C. Parry

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

Rec: Sept 7
Ans Sept 13

Davenport Sept 5 1866

You see I have scratched off on the other side what occurs to me in reference to your young botanical enquirer who as you say ought to be encouraged. For this is the kind of material that will help to develop the botany of our wild western region. As to other matters in your note I must be brief. — Yes "must" is the right word to use in regard to that labelling business. I am glad for you to add your auxiliary to mine in a matter that I have too long neglected. My sunce from Racine were not worth naming. L. tenuis, nodosus, infortunus the cosmopolites are on Rock Island. — M. angustum will be properly attended to. I have found my copy of Pl. Fendl. — We have had rain thus 24th also 31st also a heavy rain on the night of Sept 3d. It is fair weather here and a plenty of company to see the sights — I think some of going up to the Wisconsin State fair at Janesville last of this month. When I may meet Latham that to hear that the Charleia is a bastard in St Louis.

Truly yours
A. Gray

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI
BOTANICAL
GARDEN

Rec'd Dec 5
Ans same day

Davenport Dec 1st 1866

My Dear Dr

You have no doubt been waiting patiently for a report from me of my visit to the East. and will perhaps be surprised to learn that I got no farther than Milwaukee when owing to a change of programme I turned back and have since been quiet in my old quarters. Not so very quiet either for in the mean time I have made a change of location. packed up my duds herbarium &c. and am now living in the country, 3 miles from town. My chief motive in this was to get rid of the cares of housekeeping and be prepared to take up with whatever may offer in the way of exploration next season. In the mean time. I am very comfortably situated for winter work while at the same time I am free to leave whenever occasion call for it. I have my young pieces of Sanicula roots dug up & buried for the winter ready to set out, or distribute in the spring. So you see I am like a soldier on the march. ready to move at short notice. I have lately packed & sent to Dr Parry some sets of wood blocks which I am tired of keeping on hand. My herb is yet unpacked but I must soon get at that labelling job!! I presume you did not write me at Sandy Hill. as I have received no addresses to that effect. though I trust you received safely my paper on Rocky Mt Snows. which I mailed

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

you just before leaving on my Eastern? trip.
Now I suppose you are getting more leisure from practice for botany, and improving perhaps on some new hobby — When you make your excursion on my paper please for rewriting and completing the alpine list, also inform me as to the printing so that I may have the manuscript ready in time
I have nothing definite for next Summer
Pikes Peak will be rather stale when the RR gets there. but I may go for a Middle Park excursion a friend of mine who is fortunately rich is talking about going out for a Summer trip and wants me to go along. My house in town is only rented not sold. otherwise I should think of packing up for Europe next Spring and see the Alps. Do you get decide definitely on your plans. in regard to George & yourself & wife?
Is Old Bigelow still at Detroit. engaged in his "Eureka" investigations.? If I go to the Rocky Mts. I must help out those Summer sets.
Let me hear from you soon & let me know what you are up to botanically present my regards to George and Mrs E.

Yours truly C. C. Parry

Don't forget your photog. before you go to Europe &c.

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

Rec^d Febr 1
Ans Same Day

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

Rec^d March 2^d
Ans — 6'

Davenport Feby 28th 1867

My Dear Sir

You see I did not go down to the Convention. I found that it would throw me into a crowd of strangers where I could not be at ease and so respectfully declined, and am now stuck fast in country mud. I have no definite plans yet for the season. though the attractions are still strong. You St Louisians are on the slow coach system we expect to get our road through to Denver this season. So I renew my invite to come up here and go out in July for a summer vacation. You have not yet told me whether Bigelow is still at Detroit working under Uncle Sam. and ready to devote spare time to Asphan & Tuncus this year. I have written to Dr Gray urging him to come west this Spring to see the country, and work upon Shaw. to secure your help. and give you a Curatorship so that when you come back from Europe you can step into a snug berth for the ballance of your days and go to sleep, over looking the Ivy. I have thought seriously on this subject for a long time. There are plenty of men competent and glad to do medical practice but no one

do your botanical work, and if you can do so much with a perpetual load of medicine on your shoulders. a fortiori when you can shake it off. I hear from Brewer lately he seems somewhat riled at A. Hoods quackery. with botanizing and hypsometaricilly, he claims to have collected 3400 species of plants most of them new sp. Have you read his account of ascent of Mt Hood. which he makes over 17000 ft by boiling point. 180°7 according to that however it should be 20000 or upwards. I am glad that the mountain can be ascended however so that some time this mooted question can be put at rest. Bayard Taylors book on Colorado is out his botany is funny. he goes into fits over my primrose as a new discovery and find in Middle Park an "orchidaceous plant almost identical with the Cyclamen of Europe"! his elevations are decidedly high Mt Blanc is nowhere in comparison! with Mt Lincoln very. But then he writes for the people. When will you commence publishing next Vol Transactions better send you criticism on my paper to return or that I can copy for the printer

Write soon

Yours truly

C C Parry

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

Rec'd April 1st
Ans Ap 18 Davenport March 28th 1868

My Dear Dr

I am getting the mountain fever bad, but I need not ask you for a prescription because you would only say, Go! I have just rec'd a long letter from Hine in answer to some enquiries I made in reference to the amount of snow fallen this winter not a very definite answer however the accounts varying from 10 to 40 ft! only this positive that an unusual quantity is now on the ground with a fair prospect for summer floods

But more exciting than all a friend of mine has a cabin built just at the foot of Grays Rock, not far below the timber line, & and roads have been constructed from the new town of Argentine, over the range to Blue River, and to South Park I think the town of Argentine must be on the

lower slope of Mt Engelmann. which contains rich silver lodes. So you must give up your European trip and go and lay claim to your share of the treasure including more fossil Plants we found last year on Rock Island.

That "May Palmer"? you spoke of in your letter is Maj Powell. and I learn that in his plan of Explorations he has included me as Botanist. also my old Companion Dr Velie as Conchologist. He expects to secure some travelling facilities for the party and will meet us soon at Rock Island to talk over the arrangements. I am anxious to go. as the prospects would be that I could push over towards Salt Lake. and thus cover new grounds I would also have a chance to measure some of the high peaks at the head of Arkansas including Mt Lincoln

So you see I am in quite a fair way for another Summer trip. I wish you would look over my Snow paper soon and return for correction, or if it will pass pretty well as it is let it go to the printer and make corrections + additions from new data.

I never was quite satisfied with Dr Gray's determination of Delphinium Elatum? it is so exclusive in its habit. and invariable in its appearance I only find it on the upper border of alpine thickets. associated with Cardamine pinnatifida; Mertensia Sibirica and Pedicularis Parryi + on no doubt you will have a tough job in fixing up Hayden's Hay. but will no doubt find some choice needles in his stack

I must close for meal.

Yours truly

C. C. Parry

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

cm 0 1 2 3 4 5 6 7 8 9 10
copyright reserved
MISSOURI BOTANICAL GARDEN

Rec'd April 26th
Ans May 1st

Davenport April 24th 1871

My Dear Dr

Your note of 19th is just received. It would seem that the matter in hand is progressing favorably. The details I shall be satisfied to leave in your hands. As to salary I think I ought to get $150.00 (in gold) per month but will be satisfied with less if the amount should stand in the way of a definite arrangement, than the collections will be worth something but that might go for your share of the spoils. I would like to get early a notice as possible of any definite arrangement, as I shall need some little time to settle up home matters before leaving.

MISSOURI BOTANICAL GARDEN
copyright reserved

As to my association with Le Conte as sub, I do not doubt but I could get along pleasantly. but I have the same suspicion you have that his special vocation has hardly fitted him to conduct so important a work as a thorough Geol survey. Still it might answer for RR purposes, and by making extensive collections he could get his work elaborated by more competent hands. Probably your suggestions were the most judicious under the circumstances and the R.R. Co must assume the responsibility. We want to get all the Botany we can out of it and so a little policy will not come amiss. I still feel somewhat surprised at your compliments on my "Calligraph," but if it accomplishes the purpose I ought to be satisfied.

I shall accept the pleasure of closing my civilized carcass in that hospitable garret of yours perhaps I may bring the wife along to help me pack up. Of course you will duly inform me of matters of advisable you may telegraph here at my expense. will try to look up that Barometric date

Sincerely Yours
C C Parry

copyright reserved
MISSOURI BOTANICAL GARDEN

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

MISSOURI BOTANICAL GARDEN
copyright reserved

Rec April 29
Ans May 1st

Davenport April 27th 61

My Dear Sir

Your letter of 25th I have just got & I am not quite like the shape things are taking. The Capt St Louis will work hard select his own staff to do the work and then we supernumerary I shall not have a fair show unless some distinct duty is assigned me in which I might be independent. If I should go I should need all the spare time I can get to make myself ready.

I would suggest therefore that the Co make me a distinct offer of what they will do in my case and I will take the matter into consideration and answer yes or no

I have just now a letter from Eaton asking if I would join a party as Botanist under Government to explore along the line of 40° 41' N Lat to consist mainly of young students. The salary offered is small but the situation would be a pleasant one. I shall answer that I am negotiating for a position on R R R which will be decided soon and if not completed, will take his paper into consideration.

If a satisfactory arrangement is made with R R Co I shall want ~~the~~ the longest notice I can get ~~to~~ to make my arrangements — in

You might state to your friend the offer I have had, which may help to induce a liberal view of the matter if he is really anxious for me to go. If I had more time I would come down & talk the matter over more fully, but it seems to be rather crowding things in the mean time I await developments.

Yours truly

C. C. Parry

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10 cm
copyright reserved
MISSOURI BOTANICAL GARDEN

Rec May 7th Davenport May 4th 1867

My Dear Sir

I have just rec'd your letter of May 3rd and have telegraphed in all haste as advised by you. I shall leave here on Tuesday or Wednesday next week & on 8th and will stop in upon you. My friends I also have a note from Lincoln to Seward which I have followed to the letter as all might have been lost by delay. I feel sure that the matter will be so satisfactorily arranged for which I consider you are entitled to fullest credit. I shall be very pleased to see you in a diplomatic office. Expecting to see you soon

Yours Sincerely

A. Lincoln

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10 cm
copyright reserved
MISSOURI BOTANICAL GARDEN

No. 1 Ser. Aug. June 6th 7

Per Sabine

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

No 2

Arr June 25th
Dep June 23

Camp near Ft Hays
June 16th 1867
post mark June 17

My Dear Dr

We have progressed thus far on our route 95 miles from Salina and 130 more will bring us to Pond Creek where our work of Survey commences and we leave the Smoky Hills to cross over to the Arkansas. We have encountered some severe storms of rain occasioning floods in all the small creeks & making water plenty and grass (Buffalo) very vigorous I find quite a contrast between this & the Platte Country. this is much more uneven better watered, and more expensive for RR construction also abundantly supplied with building & bridge rock. The Cretaceous strata cropping out along the borders of most all the streams, at Fort Harker I found the strata containing the Dicotyledonous leaves and obtained some fair specimens. among them a magnificent veined leaf over 6 inches in diameter. like Hamamelis? It would take some time and patience to make a good full collection but it must be done by some stationary collector who can watch the gently the making up a very light fence frame and then such hardware as exposure and then specimens can be dissected out to advantage I keep up my observations as often as good opportunity or a regular station offers & send you the record up to date

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

on the march I shall observe altogether with the new Barometer 1579. which is in good order the mercury clean and adjustment exact. In botany I see little that is quite new to me but some interesting things. Astragali are coming out in force and I shall make a pretty full collection. No Juncei yet and only the most Eastern Cacti. Main viridis & Nuttallii

Our organization is very strictly military, too much so to suit the young men who have to march in the day & stand guard nights. We are to have an escort from this point as the Indians are disposed to be troublesome. showing great partiality for my scalp. In case to take one route & note weather, you had better apply to the RR office for a map. Mr Perry. The president is now beyond here with a military excursion party — we shall probably meet them on the way to Pawnee Creek or Ft Wallace. I write under your cover from there or through Mr Perry. I have an acquaintance of Mr Schotts who kindly made one of the Topographers. I only wish we had Mr Rocker in place of the rickety photograph apparatus which cost you so much trouble. I hope to hear from you occasionally. Send your letters through the RR Office. I think I shall be assigned to the northern party through the Jaque de Cristo pass into the Rio grande. I write under your cover from Ft Wallace in mean time farewell.

Sincerely yours E B Perry

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

No 3 Rec'd July 10
Ans July 22

Ft Wallace June 30th 1867

My Dear Dr

I have just been notified that a mail will be dispatched thus P.M. to run the Indian gauntlet for St Louis. I therefore hastily copy the ballance of my record to date and send you a letter dropped in the mail box several days ago. It contains the record before this. I have been very careful with my observations here as a starting point and hope they will give good results as compared with the survey levels, which can be directly compared to one station here which by survey is 2610 ft above low water at Wyandotte, mouth of Kansas, which you can get at Pacific RR office, and then reduce to St Louis.

I have no time to tell you of our Indian troubles, only the 2d day after reaching here our escort had a fight and lost 5 men out of 50 engaged three of them scalped & horribly mutilated. This has made a big scare with our chiefs who hesitate about going on with the survey without a larger escort and do we await Genl Hancockes return from Denver. In the mean time I am picking up what plants I can without venturing too far from camp. Most of common plains species but in good condition. There is considerable dissatisfaction with the employees

the Expedition and a number expect to leave when
Genl Hancock comes down among the rest Dr
Bell our photographer. Who of the guns will take
one gun on his retirn & take a parcel of plants
I still hope we will manage to get along slowly towards
the mountains so as to secure better picking
but we cannot make more than the 1st this season
& then probably disband for the season
I will write you more fully if Dr Bell or the
1st regular stage and hope when we get on the
Arkansas we shall again have our postal
communications open. In the mean time I hope
you will drop me a line occasionally at the
RR office which will be duly forwarded with
other mail matter. You will notice we have
warm weather here but dry. The muddy Hill is reduced
to a mere brook and above here is lost in the
sand. I have a good deal more to write but must
wait as it is more dark and hard to see
Kind regards to Mrs E. & family

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

Yours truly C. C. Parry.

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

Rec'd Aug 2d 28

No 6

My Dear Dr

Fort Lyon Colorado Terr
July 17th 1867

I received at this place your letter No 3. (June 21st) No 2 having not yet come to hand. We accomplished our journey across to the Arkansas without mishap making the distance from the Smoky Hill to Arkansas 72 miles, we struck the Arkansas 42 miles below here being so far misled by Popes map. There was very little of interest on our route just a wide grassy upland with a succession of swells & depressions the principal drainage being to the Arkansas. no trees, shrubs on the route and no permanent waters. You will be able better by the lands given the profile of survey by which it appears quite contrary to our expectation that the Arkansas was higher than Smoky Hill though perhaps the greater westing would account for the difference as the fall of the Arkansas of our survey is here 7,5 ft per mile. The river is now at flood height & is a very respectable stream. The valley is much more attractive than the Platte on the same parallel of Long. and is apparently adapted to cultivation. For several miles below here there is an outcrop of cretaceous sandstone bluffs. well adapted for building purposes and a fair amount of cottonwood timber in the bottoms. The location is a new post and is located 3 or 4 miles below the mouth of Purgatory on the south side. There is a fine spring here which shows a temperature of 54,25 and a yearly mean that I get from the records of the old fort for 1861 gives a result of 54.15 They have a barometer at this post, a very good one but I do not have much confidence in the observations I found

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

in comparing barometers that theirs ranged nearly 2 below mine & examining the click I found it very dull so concluded that there was air in the tube. I was also obliged in my own case to take hold of that matter as one of my barometers 1579 was wasting mercury and in trying to see where the fault was I got a bubble of air in my tube so I took the thing in hand and emptied both tube & cistern cleaned the mercury & returned it. I had some difficulty at first with small bubbles in the tube but recollecting some advice on the subject I let up a large bubble from the bottom and gathered them up, closed up tight and now the instrument works well. Having thus got confidence I took hold of the Port B. and served it the same way got it so that it gave a distinct vacuum click, and brought the range up at higher elevation. I then took up my old barometer which was very dirty & cleaned it up so that now I have all in good working order. In doing I unscrewed the tubes attached thereto and enclosed in a letter to Green directing to repair & send by express to Santa Fe. So that as the present state of the case regards barometers. As to calculated obs. I am quite at a loss to refer our RR starting point to Wyandotte, perhaps you have got it so as to make direct comparison with our barometric levels. Talking to Col Greenwood Eng in charge of Survey to Denver he advised me to apply as I can you do so to Mr T McCrossock Supt Missouri Pacific RR Office Olive between 5th & 6th St St Louis for information of RR levels from Wyandotte or Leavenworth west. To Mr Kelly So that you may get a starting point to refer our levels to

According to the best information I can get Selma is 800 ft above Wyandotte. I think this will compare well with your results 739 above your B in St Louis. But to connect the Wyandotte starting point you must refer to low water in Mississippi at St Louis, which please give me when you next write. I hope we will be able to determine these fixed points but if not we can take some intermediate well determined one for our basis of comparison. As to the irregular rise at Selma & Spring Creek you are no doubt right in discarding them as the weather at that period was very unsettled & at Spring Creek we experienced the heaviest rain storm I ever saw. I shall again look carefully over the Barometric record here & select such results as seem to be reliable. As an example of the way the thing is managed I found the neatly copied record of Barom. obs during the first part of June. ~~worked on to~~ ~~the a~~ taken at Old Ft Lyon 22 miles below here tacked on to the continued observations made at this place for the latter part of the month and a monthly mean made from the whole!! with no item under the head of remarks to indicate any removal!! Otherwise I think the Hospital showed no changes careful in making the observations & regular in recording. — I told Col Greenwood that I would ask you to mail him a copy of our altitudes in Colorado and probably the best way would be to cut out from some pamphlet the sheets containing & enclose in a letter

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

Direct to Col Greenwood in charge of Survey U.P.R.W. Co Denver Colorado. He will probably not be there for two months yet I think he is a very reliable energetic man. a true Chief. who is willing to work In return you might ask him to send you his levels from Ft Wallace through to Denver. I shall give him your address and ask him to call on you when he returns to St Louis next fall

We have got fairly out of the Indian scare and military discipline is relaxed - but still it is necessary to be on our guard. I understand there is to be a division of our party there we go by Sangre de Cristo Pass to the Rio Grande and down to Albuquerque which I hope to be connected with the other the ordinary route by Ft Union to Santa Fe I suppose I shall know about it before leaving here I find hereabouts little of botanical interest so I amuse myself with radical investigations At one of our camps by the caving in of the River banks there was brought to view an entire root of Yucca filifera of which I took measurements and weight & made a rough figure I will send you my notes when I get time to copy. Total length 7 ft 6 inch circumference largest portion 2 ft 4 inches weight (dried) 22 lbs. Note notes given some other time You have received before this the small parcel sent by mail I don't know when I shall get any letters from you if I go on the ranch party. but if you will

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

keep writing I shall get them some time
I wish you would send me in a letter the steps
containing my altitudes in Colorado I forgot to
bring the pamphlet containing them with me but
occasionally want to refer to them in a series
of comparisons. Our photographic arrangements
get on better than they did. Dr Bell is a very
nice companionable fellow & keeps up his
interest in botany. Draws on me rather largely
for pressing paper which I can spare now but must
save for contingencies. L. Carter is very lazy hardly
stirs from his tent or ambulance. Everyone in
camp remarks it and wonders how he will be
able to make out a report. This is not a
very pleasant locality. on an exposed gravelly bluff
very dusty & bare of vegetation but some of the
views are very fine On a very clear day
one can just distinguish Spanish Peaks but I have
not yet been able to separate them from horizon
clouds. Beyond this there is said to be a good
farming country and one of our foraging parties
came in yesterday with fresh vegetables. a
great treat We leave here I suppose next week
Monday, and I hope will experience no more delays
till we reach the Rio Grande. Must close for
the present remember me kindly to Mr & Mrs George

Sincerely Yours

E E Perry

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI
BOTANICAL
GARDEN

Recd Aug 13
Ans 28
Memphis Jamison Co

Camp on Huerfano near
Cuay's July 30th 1867

No. 7.

Dear Sir

Here is my barometric record to date we are crawling slowly towards the Mts next week will be among them. we just getting into the cedars & Pinion region no new plants yet Of arborescens has come in in force. This is a thickly settled & very fertile valley. produces large crops of corn is mostly worked by Americans. on the Mex plan system. We are glad to get among signs of cultivation. we shall be pretty much on Fremont's route till we reach Ft Garland then we follow down the Rio Grande to Albuquerque

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

I do not know whether I told you in my last that I was connected with a detached party, our chiefs having gone via Purgatory. So that I shall have some new country. There are some high snow peaks near Sangre de Cristo Pass. I shall try & climb at least get into the Alpine region. Hope to reach an elevation of 14000 ft. Just above me the Huerfano passes a canon for 20 miles through sandstone of Cretaceous formation sloping at a low angle to the East apparently on the line of depression beyond this we shall come to disturbed and metamorphic rocks and some igneous. Cedars & Pinedales skirt all the adjoining hills. The enclosed grass Andropogon — ? is characteristic of all the uplands of this district & Arkansas. Which species is it I make valuable fodder but not equal to Chondrosium or Bouteloua. I hope to hear from you at Ft Garland as our letters can be forwarded there. It will take us till 1st Sept to reach Albuquerque & then I suppose it will be decided whether to push on west or return East for the winter. Pity if I should have to go over Bigelows route again in the winter —!!

Rainy season has set in in the Mts but we only see it get at a distance. You will see from record that we have had days & cool nights, shall be glad of cool days again when we get higher again

I will send you from 71 forward my other observations. The results of which I hope to get when I reach Albuquerque — I shall try to ascend Sandias Mt if not too late & settle that P flexilis account

Our baseballs will passes here to-morrow morning early for Pueblo — Denver &c so I must close. You will hear from me next among the snowy peaks

Sincerely Yours

C C Parry

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

Recd Aug 20
Ans — 28

No 8

Bedto. [illegible]

My Dear Sir

This is my record to date by which you will learn that I have at last reached the Mountains & [illegible] the ascent of Sangre de Cristo pass, over the route followed by [illegible] in 1854. There is a well [illegible] station at the foot of the [illegible] which passes the [illegible] range of hills [illegible] rock. In [illegible] I was fortunate [illegible] in the [illegible] included [illegible] specimen of fossil shaped like (or a bottle full) [illegible] [illegible] [illegible] due to the [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

copyright reserved
MISSOURI BOTANICAL GARDEN

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

In my last letter of Aug 4th we did
not get above the timber line or
into the proper alpine district but
side hill high enough to find Pinus
aristata and Abies Engelmannii
shrunken in their usual character. A
other plants therefore rare or sick
met with Goodyera pubescens
Chimaphilla umbellata, Sorbus Americana
I do not yet know what kind of
alpine region we shall reach
in crossing the range but I hope
to get high enough to determine
whether or not the range of alpine
plants [illegible] two years
will be given Ft Garland 35 miles
distant and then I shall have
more to say on these matters
[illegible]
[illegible]
with [illegible]

[illegible]

0 cm 1 2 3 4 5 6 7 8 9 10
copyright reserved
MISSOURI BOTANICAL GARDEN

Rec'd Sept 28
Ans Oct 15

No. 10

Missouri Botanical Garden
copyright reserved

When I reach Albuquerque I hope to hear from you a full account of results of Barometric Obs &c &c I shall then probably have time to overhaul my collections & notes, and see the season's work. It still seems uncertain what will be done with our party. You at St Louis would have the best chance of knowing what the Co propose to do. There is a rumor that Jewel Wright is to be removed in which event probably his particular pets would share in his fate. I presume also there would be an entire reorganization of the party. I should like to go on well enough but it would be rather a cool joke to botanize as Bigelow did through Michigan in winter. I would rather go back & work up results & come out again. A great many things I could tell you about that I do not care to write.

Missouri Botanical Garden
George Engelmann Papers

0 1 2 3 4 5 6 7 8 9 10 cm
copyright reserved
Missouri Botanical Garden

I am collecting seeds freely but Cactis are rare in the whole section so far traversed and summer with gone out of flower. I enclose seeds of the common bunch Cereus of this region. probably C. Fendleri. It grows to a very considerable elevation & flourishes in the Huerfano valley & think it ought to be quite hardy. It bears a very respectable fruit and grows in bunches of several hundred. I do not see it yet on this side of the Mts. Opuntia Rafinesquiana is also common growing even as high as summit of Sangre de Cristo. No fruit could be found. I have also stumbled on some Yucca but none of the strictly alpine. Do not fail to write me on receipt of this to Albuquerque and especially recapitulate results of observations as I may need them to make up a preliminary report.

Yours truly

E E Parry

Just sending off for my camp

Rec'd Octob 2
Ans — 16

N. 11

Santa Fe. Sept 19th 1869

My Dear Dr

We reached this place on 16th and since then I have been busy packing specimens I have sent to you by express the bulk of my Botany I wanted to send the whole but the Box was not large enough, and I had a good deal to do in making a packing for specimens. So that I had no time to put up the botanical specimens in good shape and label &c as I expected to do at leisure at Albuquerque You will have to do the best you can. I have sent all my express The express expenses which will come to $20,00 or over we must be make out of the Specimens or I will divide with you and consider the collection joint property. You had better commence selecting such specimens as you want to study or distribute and I leave the bulk till I return when we will arrange about distributing the whole collection. The seeds, I know you will want to distribute at once. Please send a small assortment of anything choice to my wife in Dunkirk — balance at your own discretion. In case you should leave for Europe this fall. The collection of plants had better be sent to my address at Davenport But as you have not intimated anything of the kind I infer that you will not go at present As soon as I can leave our party, I'll arrange some one in the River below here to forward to me on the

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

Survey to the Pacific, in two separate parties. one on Whipples route which I shall probably accompany the other on 32°-parallel. Capt Wright is still in charge though we had heard rumors of his removal & Capt Polanco is now here attending to the interests of the C in the reorganization. I do not know whether Le Conte goes on or not. I have sent in the Cactus collection. a few wood specimens, among them a full section of Pinus edulis. If you can make some excuse to examine the same perhaps you can manage to graft. a half section — for botanical purposes If so please save a slice for me. I could have sent you a large lot of ripe cones of P. edulis in the Box but neglected to collect while passing along I send a small sample of the roasted seeds as found in Santa Fe market. I am not prepossessed with Santa Fe as botanizing ground. I have tried to locate as close as I can the scene of Fendler's labors. but there are no hills near to afford alpine plants the expect to leave the day for final rendezvous and when I get some leisure I will write again. I shall enclose with this Express receipt. So you may be prepared for the box. You can give me the results of your examination at your leisure. Direct your letters through the office of P.R.R.E. I have nothing late from you but shall expect several letters at Albuquerque.

Yours C. C. Parry

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

Rec'd Dec 26th
Ans Dec 28

Prescott, Arizona
Nov 23d 1869

My Dear Dr

You will see that I have brought up in Central Arizona, and have been testing the climate of 35°— We had a good freezing time on the slopes of San Francisco. Thermometer going as low as 15° F but the days are generally warm & pleasant no snow yet— Botany is quiescent just now though I have lately seen in fl & fr Cowania Stansburiana Torr I am surprised to find in this region such a northern aspect of vegetation the pine woods, exhibiting mostly northern forms. This is the locality where Coues and Palmer made their collections, but I doubt if they did the locality justice. I have been hoping to stumble on the Lewisia nov sp. but the season will hardly allow

Juniperus pachyphloia Torrey

I enclose scraps of the Cedar of this but they're
district which takes the place of our
common red cedar. If not described
we must work it up and give it a
sp name. Juniperus Arizonensis ?. I
am taking full notes on its Habitat and
will get sections. It is of a fine globular
shape lower branched with foliage especially
in young growth of a silvery aspect.
Bark in old growth splitting up into small
checkered blocks of a dull ivory aspect
some of the older trees look quite
venerable having a diameter at base
of 2 to 3 ft then about 6 ft from
the ground branching out into a regular
globular shape. The male & female trees
separate the latter often loaded with
whitish mealy-berries day and unsyed
the heart wood light red and fragrant
I shall collect seeds with a view to cultivation
as it is quite ornamental and ought
to be hardy. I am also a good deal puzzled
with the Pinon. The specimen here is

Pinus monophyllos

the P. monophyllos but as far as I have
seen specimens the leaves are about
equally divided on the same shoot
in pairs & single. I should not know
how to distinguish it otherwise from the
New Mex. P edulis which as far as
I have examined is always leaves in
fours. The other day I found young shoots
which exhibited the three leaf as a
subtending leafy bract, persistent after
the proper axillary leaves are developed
I will enclose you a specimen in my
next. I have written to Bolander
asking him to write to me at Ft Mojave
and inform me where I can find him
in San Francisco. I am now as usual
separated from the main party being
left here by Genl Palmer to examine
& collect mineral specimens. I go out
next week with a small prospecting
party to make a tour of mines in
this vicinity. When Genl Palmer
returns I expect we will move on

0 1 2 3 4 5 6 7 8 9 10 cm
copyright reserved
MISSOURI BOTANICAL GARDEN

to the Colorado, and so on to San Francisco. It is probable now that I may return by overland route via Salt Lake early in March. I hope to hear from you at Fort Mojave at least. I wish you would write me on receipt of this direct to Camp Bolander San Francisco.

As the 7th near here they had a barometer since broken I have copied from the record. Monthly means as follows

1867 Month mean for May	24.403	76.8°	76.92
" " " June	23.954	75.5°	73.86
mean for 2 months	24.178	70.75°	71.39

Mean for 1866. 54° max 94° min 2°

Rain 1866 19.57 inches

I am anxious to hear from you and get posted in news. I may drop you a line again before leaving here. I hear of an Army Dr. Dr Chas Smith who is collecting plants at Tucson I hope he will report some time

My dear Jones

E. E. Parry

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 cm 1 2 3 4 5 6 7 8 9 10
copyright reserved
MISSOURI BOTANICAL GARDEN